

# Marvell's Leadership In End-To-End Storage, Networking, Compute And Mobility Solutions Powers The Connected Lifestyle For Businesses And Consumers

**Marvell's ultra high efficiency software defined platform solutions deliver advanced connectivity, cloud services and mobile infrastructure enabling the richest live content experience**

SANTA CLARA, Calif., and LAS VEGAS, May 6, 2013 /PRNewswire/ -- [Marvell](#) (NASDAQ: MRVL) today announced its newest end-to-end software defined platform solutions that accelerate the connected lifestyle for businesses and consumers throughout the world. Marvell is the only company to offer complete software defined storage, networking, compute and mobility solutions for private, public and home clouds, as well as fiber and mobile infrastructure. With its comprehensive solutions offering, Marvell is connecting every aspect of the digital lifestyle – whether on the go, at work or at home.

(Logo: [https://investor.marvell.com/image/Marvell\\_logo.jpg](https://investor.marvell.com/image/Marvell_logo.jpg))

"Today, Marvell is moving forward faster than ever to enable worldwide service providers and OEM partners to offer end-to-end solutions for the Always On, Always Connected Lifestyle. I am very proud of Marvell's leadership in providing the innovative technology diversity and foundation that scale the Smart Lifestyle to better people's lives around the world," said Weili Dai, Co-Founder of Marvell. "With the rapid adoption of smart devices – from smartphones to tablets to Smart TVs – more users are transferring bandwidth-intensive data from the cloud to more devices than ever before. Marvell is a one-stop shop of total technology solutions that empowers the entire spectrum of always-on devices, from the storage appliances in the data center, to the software defined enterprise and infrastructure networks, to the Smart Home, and to the mobile devices that seamlessly connect today's savvy consumers."

Marvell has complete, end-to-end solutions that are designed to touch every aspect of the expansive Connected Lifestyle ecosystem. Marvell will showcase the following solutions during Interop on May 7-9 in meeting room Reef F at Mandalay Bay, Las Vegas:

## **Alaska® Family**

Alaska is a comprehensive family of physical layer transceivers supporting optical and copper media with advanced high-speed Ethernet connectivity products. At Interop, Marvell is launching a new set of Alaska X 10G/40G devices for extreme speed over optical, backplane and twin-ax copper. The 88X2242, 88X2242M, 88X2222 and 88X2222M deliver 10G and 40G capabilities that are designed to enable increased flexibility, robust performance, heightened failover capability and simplified board design for next-generation software defined storage, networking, compute and mobility platforms.

## **ARMADA® Family**

The Marvell ARMADA family is a fifth-generation, comprehensive product family of SMB, enterprise and carrier-class single and multi-core ARM-based SoCs with ultra high-efficiency. The ARMADA 375, the latest addition to the ARMADA family, is a dual-core 1.0 GHz Cortex A9 based SoC which incorporates a host of I/O peripherals designed to allow for seamless device integration while enabling high performance in a small form factor system design. The ARMADA 375 SoC is fully optimized to consume very low power for a wide range of applications including NAS platforms, networking applications and high-volume enterprise access points, all at a cost-effective price point.

## **AVANTA® Family**

Marvell's market-leading AVANTA family of optical broadband access solutions include the industry's highest performance SoCs designed specifically for the rollout of next-generation HD IPTV and cloud services into the Smart Home. Marvell pioneered the industry's first available UPON family of devices designed to enable mobile operators and service providers to reduce both CAPEX and OPEX in deploying new broadband services. The AVANTA family of solutions leverages the most efficient ARM-based processors and incorporate the flexibility of supporting all EPON, GPON and point-to-point Ethernet WAN uplinks to facilitate SFU, HGU and MDU. In addition, the recently available 88F6601 device has been optimized for media converters and optical SFP modules that are used to flexibly transform existing Ethernet switch solutions into new PON deployments.

## **Avastar® Family**

Avastar is at the forefront of Wi-Fi transmission technology to speed wireless access and extend range to give users a stronger, faster Wi-Fi access experience. Marvell's commitment to leadership in enterprise and carrier-

class Wi-Fi connectivity is spearheaded by its latest offerings, the 88W8864, a dual-band (2.4/5 GHz) IEEE 802.11ac 4x4 SoC deploying beamforming and advanced Quality of Service (QoS). The 88W8864 is specifically designed to support Gigabit speed connectivity, professional reliability and carrier quality requirements of next generation, Very High Throughput (VHT) WLAN required by enterprise access and carrier grade wireless small cell products.

### **DragonFly™ Family**

Extending its popular DragonFly NVRAM and NVCACHE family of software defined storage accelerators, designed to achieve breakthrough 10x server I/O performance while reducing power, space and storage capital costs in the data center, Marvell will showcase the Marvell DragonFly NVDRIVE. The DragonFly NVDRIVE is a turnkey enterprise-class PCIe SSD caching solution with built-in SSD modules targeted for large-scale Internet and cloud computing datacenters.

### **Presteria® Family**

In its eighth generation, Marvell's Presteria family of packet processors drives some of the largest service delivery networks in campus/enterprise and carrier/service provider infrastructures. At Interop, Marvell is introducing a wave of new devices optimized for software-defined storage, networking, compute and mobility solutions. The Presteria DX4251 and DX4201 offer advanced configurable SDN switching and routing with hierarchical carrier class traffic management. These solutions are ideally suited for application driven resource management and virtualization of services in infrastructures supporting mobile backhaul, cloud services and content delivery. The Presteria CX family adds four devices for cloud storage, server and datacenter connectivity including the CX8129 (640G), CX8124 (480G), CX8123 (320G) and the CX8121 (160G).

### **Xelerated® Family**

Marvell continues to innovate infrastructure and data center solutions with the immediate availability of two new devices, the HX337 and the AX242 as part of the Xelerated family of programmable network processors. The Xelerated family provides the industry's most efficient and only deterministic, flexible packet processing solutions on the market. The Xelerated solutions combine the industry's most advanced 500+ RISC multi-core processor with field proven, carrier-grade hierarchical traffic management at the lowest power per service density. The roll-out of revolutionary mobile and content store/delivery services that maximize user Quality of Experience (QoE) while minimizing OPEX are easily achieved by enabling service-aware adaptive load-balancers and traffic forwarding capabilities for next-generation software defined storage, networking, compute and mobility platforms.

### **Yukon® Family**

The Yukon Smart NIC SoCs pioneer innovative application-level alertness in deep-sleep platform states and deliver an abundant I/O subsystem to fuel the private and public infrastructure. The Yukon ARM-based Smart NIC products are designed to provide intelligent connectivity for All-in-Ones, Ultra-notebooks and a host of smart networked devices enabling these platforms to remain responsive and application-aware while conserving power.

### **About Marvell**

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions enabling the digital connected lifestyle. From mobile communications to storage, cloud infrastructure, digital entertainment and in-home content delivery, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience.

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